

Amendments to the Claims

Please amend the claims as follows:

1 - 4. (Canceled)

5. (Original) A capacitor comprising:

*AC*  
*SMP*

a tubular housing having a longitudinal axis and having an opening defining a plane intersecting the longitudinal axis;  
a header filling or covering at least a portion of the opening, having a maximum thickness in a dimension parallel to the longitudinal axis, and having one or more recesses, each with a depth, measured in the dimension parallel to the longitudinal axis, which is less than the maximum thickness of the header; and  
one or more terminals fastened to the header with one or one or more fasteners, each fastener having a head at least partly within one of the recesses.

6. (Original) The capacitor of claim 5 wherein the housing and terminals consist essentially of aluminum.

7. (Currently Amended) A capacitor comprising:

a tubular housing having a longitudinal axis and having a closed end and an open end, each defining a plane intersecting the longitudinal axis;  
a header filling or covering at least a portion of the opening, having a maximum thickness in a dimension parallel to the longitudinal axis of the housing, and having one or more recesses, each with a depth, measured in the dimension parallel to the longitudinal axis, which is less than the maximum thickness of the header;  
an active element within the tubular housing between the closed end and the header, the active element including one or more conductive members; and

one or more terminals fastened to the header with one or more conductive fasteners, each

fastener having a head electrically coupled to one or more of the ~~conductive~~  
conductive members and at least partly within one of the recesses.

181 8. (Original) A capacitor comprising:

capacitor casing means;

header means attached to the capacitor casing means and having one or more recesses;

and

terminating means fastened to the header with one or more fasteners, each fastener having a head at least partly within one of the one or more recesses.

181 9. (Original) The capacitor of claim 8 wherein the header comprises first and second layers, with the second layer contacting an end of the fastener opposite the head.

10. (Original) The capacitor of claim 9 wherein the second layer consists of a material different from the material of the first layer.

11. (Currently Amended) The capacitor of claim 9 wherein the first and second layers have respective first and second ~~thickness~~ thicknesses which comprise the maximum thickness of the header and wherein the depth of each recess is less than the first thickness.

12-15. (Canceled)

16. (New) The capacitor of claim 7, wherein the active element includes at least first and second aluminum foils and at least one separator between the first and second aluminum foils, with the separator impregnated with a liquid electrolyte.

17. (New) The capacitor of claim 8, further comprising an active element including at least first and second aluminum foils and at least one electrolyte-impregnated separator between the first and second aluminum foils.

18. (New) A capacitor comprising:

one or more terminals;

a header having a header thickness and one or more recesses, with each recess having a depth less than the header thickness;

one or more aluminum fasteners, with each fastener fastening one of the terminals to the header and having a head at least partially within one of the recesses; and

an active element including one or more aluminum foils, with at least one of the foils electrically coupled to one of the aluminum fasteners.

19. (New) The capacitor of claim 18, wherein the header comprises first and second bonded layers, with the second bonded layer having a second thickness and with each recess having a depth less than the second thickness.

20. (New) The capacitor of claim 18, wherein the header comprises first and second bonded layers, with the first layer consisting essentially of rubber and the second layer consisting essentially of phenolic resin.

21. (New) The capacitor of claim 18, wherein one or more of the aluminum fasteners includes a rivet; the active element includes one or more tabs coupled to one or more of the aluminum foils; and at least one of the rivets is ultrasonically welded to at least one of the tabs.

22. (New) A capacitor comprising:

a housing having an opening;

a header filling at least a portion of the opening, having a header thickness, and having one or more recesses, each with depth less than the header thickness; and

one or more terminals fastened to the header with one or more fasteners, each fastener having an end at least partly within one of the recesses.

23. (New) The capacitor of claim 22, wherein each of the fasteners is a rivet.

24. (New) The capacitor of claim 22, further comprising an active element including at least first and second aluminum foils and at least one electrolyte-impregnated separator between the first and second aluminum foils.

25. (New) The capacitor of claim 22, wherein the one or more terminals includes first and second recesses; the one or more terminals includes first and second terminals fastened to the header with respective first and second fasteners, each fastener having its head at least partly within a respective one of the first and second recesses.

26. (New) The capacitor of claim 24, further including an active element within the housing, wherein each recess faces the active element.

27. (New) A capacitor comprising:

a tubular can having a bottom and top;  
a header mounted to the top of the tubular can, and having an upper and a lower surface,  
the lower surface having at least one recess; and  
a fastener having at least a shank with a head on one end, the head positioned in the  
recess of the lower surface.

28. (New) The capacitor of claim 27, further comprising an active element within the tubular can and wherein each recess faces the active element.

29. (New) The capacitor of claim 28, wherein the tubular can consists essentially of aluminum, and the active element includes one or more aluminum foils.

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